

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Theresa Sherwood, Laura Steward, and David Wright.

SERIAL NO.: 10/040,396

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FILING DATE: December 28, 2001

TITLE: System and Method for Searching Data Partially Displayed  
on a User Interface

EXAMINER: Unknown

ART UNIT: 2152

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Commissioner for Patents  
Washington, D.C. 20231

Sir:

PRELIMINARY AMENDMENT

The captioned application is U.S. Serial No. 10/040,396, filed December 28, 2001.

Before action, please amend the captioned application as follows.

IN THE CLAIMS

Please cancel claims 1-5 without prejudice. Please add the following scannable version  
of new claims 6-48.

1. (CANCELED)
2. (CANCELED)
3. (CANCELED)
4. (CANCELED)
5. (CANCELED)

04/18/2002 555SHE1 000000019 10040396  
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02 FC102  
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6 6. A customizable application system comprising:  
7 an application execution system configured to support an internet application, the internet  
8 application including metadata configured for use in generating an application  
9 user interface, the application execution system including,  
10 a) a user interface generator configured to generate the application user  
11 interface, and  
12 b) a web application server configured to deliver the application user  
13 interface to a client;  
14 an application development system configured to generate the metadata, the metadata  
15 being further configured to characterize a user customizable find  
16 command included in the application user interface;  
17 a configuration system including a configuration engine and a configuration interface, the  
18 configuration interface configured to modify configuration data further  
19 characterizing the user customizable find command; and  
20 a data repository including a data record for storing the configuration data, the data  
21 record being accessible using the metadata.

1 7. The customizable application system of claim 6, wherein the user customizable find command  
2 is user configurable to search data displayed in the application user interface.

1 8. The customizable application system of claim 6, wherein the user customizable find command  
2 is user configurable to search all rows associated with a result, a subset of all rows being  
3 displayed in the application user interface.

- 1 9. The customizable application system of claim 6, wherein the user customizable find command
- 2 is alternatively configurable to search only data displayed in the application user interface
- 3 or to search all rows associated with a result, a subset of all rows being displayed in the
- 4 application user interface.
- 1 10. The customizable application system of claim 9, wherein the result is a result of a query.
- 1 11. The customizable application system of claim 9, wherein the result is a result of a find
- 2 command.
- 1 12. The customizable application system of claim 6, wherein the application user interface is
- 2 configured for display at the client using standard web browser protocols.
- 1 13. The customizable application system of claim 6, wherein the user customizable find
- 2 command is configurable to search a subset of all rows associated with a result, the
- 3 search being responsive to the identity of a user.
- 1 14. The customizable application system of claim 6, wherein a customizable state of the user
- 2 customizable find command persists from one use of the application user interface to
- 3 another use of the application user interface.

1 15. A customizable application system comprising:  
2 an application execution system configured to support an internet application, the internet  
3 application including metadata configured for generating a plurality of application  
4 user interfaces each having a user customizable find command, the application  
5 execution system having,  
6 a) a user interface generator configured to generate at least one of the  
7 plurality of application user interface, and  
8 b) a web application server configured to deliver least one of the plurality  
9 of application user interfaces to a client,  
10 the user customizable find command being alternatively configurable to search all  
11 of a result or to search only a subset of the result, the subset of the result  
12 being displayed in at least one of the application user interfaces;  
13 a personalization system including a personalization engine and a user profile interface,  
14 the personalization system configured to modify personalization data  
15 characterizing the user customizable find command such that the user  
16 customizable find command is modified in more than one of the plurality of  
17 application user interfaces; and  
18 a data repository including a data record for storing the personalization data, the data  
19 record being accessible using the metadata.

1 16. The customizable application system of claim 15, wherein the result is a result of a query.  
1 17. The customizable application system of claim 15, wherein the result is a result of a find  
2 command.

- 1 18. The customizable application system of claim 15, wherein at least one of the plurality of  
2 application user interfaces is configured for display at the client using standard web  
3 browser protocols.
- 1 19. The customizable application system of claim 15, wherein the user customizable find  
2 command is responsive to the identity of a user.
- 1 20. The customizable application system of claim 15, wherein a customizable state of the user  
2 customizable find command persists from one use of the application user interface to  
3 another use of the application user interface.
- 1 21. A customizable application system comprising:
  - 2 an application execution system configured to support an internet application;
  - 3 an application user interface including a user interface element, the application user
  - 4 interface being configured as an interface between the internet application and a
  - 5 client and being configured for delivery to the client over a computer network, the
  - 6 user interface element including a find command user customizable with respect
  - 7 to a scope of data searched;
  - 8 metadata characterizing the find command; and
  - 9 a data repository including a data record further characterizing the find command, the
  - 10 data record being user modifiable and being accessible using the metadata.
- 1 22. The customizable application system of claim 21, wherein the data searched is a result of a  
2 query or is a result of a find command.

1 23. The customizable application system of claim 21, wherein the find command is alternatively  
2 customizable to search data displayed in the application user interface or to search all  
3 rows associated with a result, a subset of all rows being displayed in the application user  
4 interface.

1 24. The customizable application system of claim 21, wherein the application user interface is  
2 configured for display at the client using standard web browser protocols.

1 25. The customizable application system of claim 21, further including a personalization system  
2 configured to modify the data record.

1 26. The customizable application system of claim 21, wherein the application user interface is  
2 configured for display at the client using features of a web browser, the features not  
3 requiring a browser add-on, plug-in, or extension.

1 27. The customizable application system of claim 21, wherein the find command is configurable  
2 according to an identity of the client or to an identity of a user.

1 28. The customizable application system of claim 21, further including means for generating the  
2 application user interface using the metadata.

1 29. The customizable application system of claim 21, further including an application server  
2 configured to support the internet application.

- 1 30. The customizable application system of claim 21, further including an other application user
- 2 interface having the find command, wherein the data record is configured to characterize
- 3 the find command in both the application user interface and the other application user
- 4 interface.
- 1 31. The customizable application system of claim 21, wherein a customizable state of the find
- 2 command persists from one use of the application user interface to another use of the
- 3 application user interface.
- 1 32. The customizable application system of claim 21, wherein the client is a wireless system.
- 1 33. A computer readable medium including an internet application, the internet application
- 2 comprising:  
3 metadata defining an application user interface, the application user interface including a  
4 user interface element with a user customizable find command, the application  
5 user interface configured for delivery to a client and configured to operate as an  
6 interface between a user and the internet application, the user customizable find  
7 command being customizable with respect to a scope of a search;  
8 a user interface generator configured to generate the application user interface using a  
9 user modifiable data record stored in a location physically remote from the client,  
10 the user modifiable data record configurable to characterize the user customizable  
11 find command; and  
12 a configuration system configured for a user to modify the user modifiable data record.

1 34. A computer readable medium including an internet application, the internet application  
2 comprising:  
3 an application designer configured to develop an application user interface, the  
4 application user interface including a user interface element with a user  
5 customizable find command, the application user interface configured for delivery  
6 to a client and configured to operate as an interface between a user and the  
7 internet application, the user customizable find command being customizable with  
8 respect to a scope of a search;  
9 a user interface generator configured to generate the application user interface using a  
10 user modifiable data record stored in a location physically remote from the client,  
11 the user modifiable data record configurable to characterize the user customizable  
12 find command; and  
13 a configuration system configured for a user to modify the user modifiable data record.

accessing a page definition, the page definition including metadata characterizing a customized property of the find command, the customized property including a scope of a search;

accessing a data record using the metadata, the data record being stored in a data repository and being user modifiable, the data repository being physically remote from a client used to display the application user interface;

retrieving a value defining the customized property from the data record;

generating markup-language responsive to the retrieved value and responsive to the page definition; and

including the generated markup-language in the application user interface.

36. The method of claim 35, wherein the find command is configured to search a result of a query.

37. The method of claim 35, wherein the scope of a search includes data rows displayed in a table.

38. The method of claim 35, further including displaying the application user interface at the client using standard web browser protocols.

39. The method of claim 35, further including customizing the data record using a configuration system.

- 1 40. The method of claim 35, wherein the step of accessing a data record is responsive to the
- 2 identity of the client or the identity of a user.
- 1 41. The method of claim 35, wherein the find command is alternatively customizable to search
- 2 only data displayed in the application user interface or to search all rows associated with
- 3 a result, a subset of all rows being displayed in the application user interface.
- 1 42. The method of claim 35, wherein the find command is alternatively customizable to search a
- 2 maximum number of rows associated with a result or to search all rows associated with a
- 3 result.
- 1 43. The method of claim 35, wherein the client is a wireless system.
- 1 44. A method of searching data rows, a subset of the data rows being displayed in an application
- 2 user interface associated with an internet application, the method comprising the steps of:
- 3 generating the application user interface using a page definition, the page definition
- 4 including metadata characterizing a customizable property of a find command, the
- 5 customizable property including a scope of a search of the data rows, the
- 6 application user interface including the find command, the find command being
- 7 configured responsive to a user modifiable data record; and
- 8 performing the search of the data rows using the find command, the scope of the search
- 9 being responsive to the customizable property of the find command.
- 1 45. The method of claim 44, wherein the scope of the search of the data rows is alternatively
- 2 customizable to include only data rows displayed in the application user interface or to

3        include all data rows, a subset of all data rows being displayed in the application user  
4        interface.

1        46. The method of claim 44, further including displaying the application user interface using  
2        features of a web browser, the features not requiring a browser add-on, plug-in, or  
3        extension.

1        47. The method of claim 44, wherein the scope of the search of the data rows is responsive to an  
2        identity of a user.

1        48. An application execution system comprising:  
2            means for supporting an internet application;  
3            means for generating an application user interface using a user modifiable data record  
4            configured to store data characterizing a user customizable find command, the  
5            user customizable find command being customizable with respect to the scope of  
6            a search; and  
7            means for providing the application user interface to a user, the application user interface  
8            including a user interface element, the application user interface configured as an  
9            interface between the internet application and the user, the user interface element  
10           including the user customizable find command, the user interface element  
11           configured for delivery to a client over a computer network.

**REMARKS**

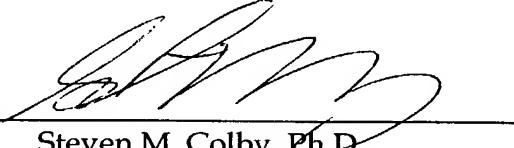
The present application is U.S. Patent Application Serial No. 10/040,396 (hereinafter the "'396 Application"). This Preliminary Amendment is being filed prior to receipt of the first Office Action. The '396 Application contained claims 1-5, which are canceled by this amendment without prejudice. In addition, this Preliminary Amendment adds new claims 6-48. Therefore, claims 6-48 are presented for consideration. No new matter has been added by these amendments. All the pending claims comply with all the requirements of 35 U.S.C. Accordingly, Applicant requests examination and allowance of all pending claims.

The Examiner is respectfully requested to enter this Amendment and to examine the pending claims. The Examiner is respectfully urged to consider the claimed invention at the earliest time possible and issue a favorable action indicating the application is in condition for allowance. If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone Applicant's undersigned representative at the number given below.

Respectfully submitted,

Theresa Sherwood et al.

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By: 

Steven M. Colby, Ph.D.  
Registered Patent Agent  
Reg. No. P50,250  
Carr & Ferrell LLP  
2225 East Bayshore Road, Suite 200  
Palo Alto, CA 94303  
Phone: (650) 812-3424  
Fax: (650) 812-3444